MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
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DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Viridian Systems, Inc.
3847 Crum Road
Youngstown, OH 44515

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Viridian Modified Bitumen Roofing Systems over Concrete Decks.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA No. 14-0626.17 and consists of pages 1 through 70.
The submitted documentation was reviewed by Alex Tigera.

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Modified Bitumen
Material:	SBS
Deck Type:	Concrete
Maximum Design Pressure:	-525 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

Product	Dimensions	Test Specification	Product Description
Vented Base G (TG)	39” x 49’ (1.5 sq.)	ASTM D6163	Fiberglass reinforced, modified bitumen membrane with 1” wide factory applied heat weldable strips on back side.
Vented Base P (TG)	39” x 33’ (1 sq.)	ASTM D6164	Polyester reinforced, modified bitumen membrane with 1” wide factory applied heat weld strips on back side.
Pika Ply SS-3G	39" x 49' (1.5 sq.)	ASTM D6163	Fiberglass reinforced modified bitumen membrane sanded on both sides. Applied in hot asphalt, cold adhesive or ribbon stripping.
Pika Ply 2.2 (FS)	39" x 49' (1.5 sq.)	ASTM D6163	Glass reinforced modified bitumen membrane with a plastic burn-off film for heat weld bonding to the top side. Applied in hot asphalt, cold adhesive or ribbon stripping.
Pika Ply 180 (SF)	39" x 49' (1.5 sq.)	ASTM D6163	Glass reinforced modified bitumen membrane with a plastic burn-off film on the bottom and sanded on the top. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).
Pika Ply SS-3G (TG)	39" x 33' (1 sq.)	ASTM D6163	Fiberglass reinforced modified bitumen membrane covered on both sides with a plastic burn-off film. Applied by heat welding.
Pika Ply Base (TG)	39" x 49' (1.5 sq.)	ASTM D6163	Fiberglass reinforced modified bitumen membrane covered on both sides with a plastic burn-off film. Applied by heat welding.
Pika Ply 180 (S)	39" x 49' (1.5 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane sanded on both sides. Applied in hot asphalt, cold adhesive or ribbon stripping.
Pika Ply 180 (FS)	39" x 49' (1.5 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with a sanded bottom and a plastic burn-off film on the top. Applied in hot asphalt, cold adhesive or ribbon stripping.

Premium Cap Sheet	39" x 33' (1 sq.)	ASTM D6163	Fiberglass reinforced modified bitumen membrane with fire retardants, sanded on the bottom and mineral granules on the top. Applied in hot asphalt, cold adhesive or ribbon stripping.
Pika Ply MS-4G (TG)	39" x 33' (1 sq.)	ASTM D6163	Fiberglass reinforced modified bitumen membrane with fire retardants a plastic burn-off film on the bottom and mineral granules on the top. Applied by heat welding.
Pika Ply SS-3P	39" x 33' (1 sq.) 39” x 26’ (¾ sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane sanded on both sides. Applied in hot asphalt, cold adhesive or ribbon stripping.
Pika Ply SS-4	39" x 33' (1 sq.) 39” x 26’ (¾ sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane sanded on both sides. Applied in hot asphalt, cold adhesive or ribbon stripping.
Pika Ply 180 (SF) 3.5	39” x 33’ (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with a plastic burn-off film on the bottom and sanded on the top. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).
Secure Ply (S)	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane. Applied by mechanical attachment.
Secure Ply (F)	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane. Applied by mechanical attachment.
Secure Ply X (TG)	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane. Applied by mechanical attachment.
Secure Ply	39” x 33’ (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with a 4-inch or 5-inch wide side lap with a plastic burn-off film on the bottom and sanded on the top. Applied by mechanical attachment. Lap heat welded or sealed with an approved cold adhesive.
Secure Ply E (MF)	39” x 33’ (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with a 5-inch wide side lap with a self-adhering compound and release film and sanded on the bottom and top surfaces. Applied by mechanical attachment. Lap self-adhered or sealed with approved cold adhesive.
Pika Ply SS-3P (TG)	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced SBS modified bitumen membrane, both sides covered with a plastic burn-off film. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).

Pika Ply 250 S (TG)	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced SBS modified bitumen membrane, both sides covered with a plastic burn-off film. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).
Performance Ply MS FR	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with fire retardants a sanded bottom and a mineral granules top. Applied in hot asphalt, cold applied adhesive or ribbon stripping (after removal of plastic burn-off film).
Pika Ply MS-4	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with fire retardants a sanded bottom and a mineral granules top. Applied in hot asphalt, cold applied adhesive or ribbon stripping (after removal of plastic burn-off film).
Pika Ply MS-4 (TG)	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with fire retardants a plastic burn-off film on the bottom and mineral granules on the top. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).
Pika Ply 250 GR FR (TG)	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with fire retardants a plastic burn-off film on the bottom and mineral granules on the top. Applied by heat welding or ribbon stripping (after removal of plastic burn-off film).
Pika Ply Aluminum	various	ASTM D6298	Fiberglass reinforced modified bitumen sheeting faced with aluminum foil. Applied by heat welding of ribbon stripping (after removal of plastic burn-off film).
Solarflect (TG)	39” x 33’ (1 sq.)	ASTM D6162	Polyester reinforced SBS modified bitumen membrane with a plastic burn-off film on the bottom side and a reflective white top surface. Applied by heat welding.
Solarflect	39” x 33’ (1 sq.)	ASTM D6162	Stabilized polyester mat reinforced SBS modified bitumen membrane with a sanded bottom side and a reflective white top surface. Applied by hot asphalt or cold adhesive.
Permagard Capsheet	39" x 33' (1 sq.)	ASTM D6164	Non-woven polyester reinforced modified bitumen membrane with fire retardants and surfaced with mineral granules. Applied by mechanical attachment, heat welding or ribbon stripping (after removal of plastic burn-off film).

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
ACFoam-II, ACFoam-III	Polyisocyanurate foam insulation	Atlas Roofing Corporation
ACFoam Composite	Composite polyisocyanurate insulation board	Atlas Roofing Corporation
ISO 95+ GL	Polyisocyanurate foam insulation	Firestone Building Products Company, LLC
EnergyGuard Polyiso Insulation	Composite polyisocyanurate insulation	GAF
EPS	Type IX 1.8 pcf. Polystyrene Insulation	Generic
XPS	Type IV 1.6 pcf. Polystyrene Insulation	Generic
High Density Wood Fiberboard	Wood fiber insulation board	Generic
Perlite Insulation	Perlite insulation board	Generic
DensDeck, DensDeck Prime	Water resistant gypsum board	Georgia Pacific Gypsum LLC
H-Shield, H-Shield CG	Polyisocyanurate foam insulation	Hunter Panels, LLC
ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 CGF	Polyisocyanurate foam insulation	Johns Manville Corp.
Ultra-Max, Multi-Max FA-3	Polyisocyanurate foam insulation	RMax Operating, LLC
SECUROCK Gypsum-Fiber Roof Board	Gypsum board	USG Corp.
Structodek High Density Fiberboard Roof Insulation	High Density wood fiber insulation board	Blue Ridge Fiberboard, Inc.
Fesco Board	Expanded mineral fiber insulation	Johns Manville Corp.
Pika Ply Recover Board	Mineral fortified asphaltic cored coverboard	Soprema, Inc.

APPROVED FASTENERS:

Table 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	Dekfast 12, 14 & 15 HS	Insulation fastener		SFS Intec, Inc.
2.	Dekfast Galvalume Steel Hex	Galvalume AZ50 steel plate	2 7/8" x 3 ¼"	SFS Intec, Inc.
3.	Dekfast DekFlat Round Plastic Lock Plate	Polypropylene locking plate.	3" x 3 ¼"	SFS Intec, Inc.
4.	AccuTrac Hextra	Insulation fastener for wood and steel.		OMG, Inc.
5.	OMG 3" Galvalume Steel Plate	Galvalume stress plate.	3" diameter	OMG, Inc.
6.	Flat Bottom Metal Plate	Galvalume stress plate.	3" square	OMG, Inc.
7.	#12 Standard Roofgrip, #14 Roofgrip & #15 Roofgrip	Insulation fastener.		OMG, Inc.
8.	CD-10	Insulation fastener.		OMG, Inc.
9.	Fluted Nail	Insulation fastener.		OMG, Inc.
10.	3 in. Round Metal Plate	Galvalume AZ50 steel plate	3" diameter	OMG, Inc.
11.	OMG Plastic Plate	Polypropylene stress plate	3.25" diameter	OMG, Inc.
12.	Trufast #14 HD Fastener	Insulation fastener for wood, steel and concrete.		Altenloh, Brinck & Co. U.S., Inc.
13.	Trufast #15 EHD Fastener	Insulation fastener for wood, steel and concrete.		Altenloh, Brinck & Co. U.S., Inc.
14.	Trufast 3" Metal Insulation Plate	Galvalume AZ50 steel plate	3" diameter	Altenloh, Brinck & Co. U.S., Inc.
15.	Polymer Batten Strip	Modified polymer batten bar		OMG, Inc.
16.	Dekfast Galvalume Steel 3" Round	Galvalume AZ50 steel plate	3" diameter	SFS Intec, Inc.
17.	Dekfast Coiled Batten Strip	Batten bar		SFS Intec, Inc.

APPROVED FASTENERS:

Table 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
18.	Dekfast 2" Round Barbed Seam Plate	Stress plate	2" diameter	SFS Intec, Inc.
19.	Trufast Flat Batten Bar	Galvalume AZ55 steel batten bar		Altenloh, Brinck & Co. U.S., Inc.
20.	Trufast Recessed Batten Bar	Galvalume AZ55 steel batten bar with recessed holes		Altenloh, Brinck & Co. U.S., Inc.
21.	#15 Roofgrip Large Head	Carbon steel fasteners used in steel, wood and concrete decks	Various	OMG, Inc.
22.	Dekfast Galvalume Steel Round 2-3/8" 20 ga. Barbed Plate	Galvalume AZ55 steel barbed plate	2-3/8" diameter	SFS Intec, Inc.
23.	Trufast 2" Barbed Metal Seam Plate	Galvalume steel barbed plate	2" diameter	Altenloh, Brinck & Co. U.S., Inc.
24.	Trufast 2.4" Barbed Metal Seam Plate	Galvalume steel barbed plate	2.4" diameter	Altenloh, Brinck & Co. U.S., Inc.
25.	Dekfast IF-2-SB	Galvalume AZ55 steel plate	2" diameter	SFS Intec, Inc.
26.	Trufast 3" Recessed Metal Insulation Plate	Galvalume AZ50 steel plate	3" diameter	Altenloh, Brinck & Co. U.S., Inc.
27.	OMG Heavy Duty	Fasteners for membrane or insulation attachment to wood, steel or concrete decks.	Various	OMG, Inc.
28.	OMG 2-3/8" Barbed XHD Plates	Galvanized steel stress plate	2-3/8" round	OMG, Inc.

APPROVED SURFACING/COATING OPTIONS:

TABLE 4

Chosen components must be applied according to manufacturer's application instructions. Any coating, listed below, used as a surfacing, must be listed within a current NOA.

System Number	Manufacturer	Application
1.	Generic	Flood coat and gravel/slag with an application rate of 60 lbs./sq. & 400 lbs./sq., respectively.
2.	Karnak Corporation	Karnak #97 Fibrated Aluminum Roof Coating applied at an application rate of 1.5 gal./sq.
3.	Thermo Manufacturing Systems, LLC	Super Prep Roof Coating applied in two coats at an application rate of 1.5 gal./sq./coat.
4.	Quest Construction Products LLC dba United Coatings	Roof Mate Coating, applied in one base coat at a rate of 1.5 gal./sq., and one finish coat at a rate of 1.5 gal./sq.
5.	Insulating Coatings Corporation	Astec 2000 Finish Coat applied in two base coats at a rate of 0.75 gal./sq./coat and two finish coats at a rate of 0.75 gal./sq./coat.
6.	Henry Company	HE280DC White Elastomeric Roof Coating applied in two coats at an application rate of 1 gal./sq./coat.
7.	National Coating Corp.	Acryshield® A500 applied in two coats at an application rate of 1 gal./sq./coat.
8.	Soprema, Inc.	R-Nova Roof Coating
9.	Generic	Semi-ceramic coated colored granules.

EVIDENCE SUBMITTED:

Test Agency/Identifier	Name	Report	Date
Atlantic & Caribbean Roof Consulting	ACRC 03-008	TAS 114	07/11/03
Underwriters Laboratories	R11436	UL 790	06/18/13
Factory Mutual Research Corporation	0PA2.AM	FM 4470	11/29/89
	2P2A7.AM	FM 4470	11/29/89
	1W8A1.AM	FM 4470	07/15/93
	1Z3A6.AM	FM 4470	04/27/95
	152A1.AM	FM 4470	11/28/84
	2D0A0.AM	FM 4470	08/15/97
	2B8A4.AM	FM 4470	07/02/97
	3001334	FM 4470	01/25/00
	3002351	FM 4470	02/28/03
	3014614	FM 4470	02/27/06
	3023749	FM 4470	09/28/06
	3029098	FM 4470	10/25/07
	3032109	FM 4470	07/21/08
	3045101	FM 4470	11/05/12
	3017614	FM 4470	02/27/06
	3022038	FM 4470	04/05/06
	3025185	FM 4470	05/22/07
	3047439	FM 4470	07/22/13
	3047351	FM 4470	10/09/14
	3044801	FM 4470	02/27/12
	3024594	FM 4470	05/19/06
	3025185	FM 4470	05/22/07
	3045734	FM 4470	04/04/12
Dynatech Engineering Corp.	10.94.27	TAS 114	10/27/94
	2491-04.95	TAS 114	01/04/95
Exterior Research & Design, LLC.	2003.02.97-1	TAS 114	02/15/97
	2003-2.04.97-1	TAS 114	04/15/97
	2002.07.97-1	TAS 114	08/15/97
	2716.05.98-1	TAS 114	05/11/98
	2109.08.02	TAS 114	08/06/02
	2766.12.03	TAS 114	12/01/03
	2760.12.04-R1	TAS 114	12/23/04
Trinity | ERD	S12370.03.09-1	ASTM D6164	03/06/09
	S12370.03.09-2	ASTM D6164	03/06/09
	S12370.03.09-3	ASTM D6162	03/06/09
	S11440.06.10	ASTM D4798/TAS 110	06/01/10
	S32840.06.10-R1	TAS 117 (B)	12/11/14
	S11440.01.11-R1	ASTM D6164	06/07/12
	S11440.11.10-4	ASTM D2178	11/17/10
	S11440.11.10-3-R1	ASTM D4601	01/30/13

	S11440.12.10-1-R1	ASTM D6163	06/07/12
	S32700.12.10-R2	ASTM D6162	07/07/14
	S35860.12.11-1-R1	ASTM D2178	12/12/14
	S35860.12.11-2	ASTM D4601	12/12/11
	S35860.05.12-1-R2	ASTM D6163	03/14/13
Trinity | ERD	S35860.05.12-2-R3	ASTM D6164	08/28/14
	S43400.08.14-5	ASTM D6163	08/26/14
	S43400.08.14-6	ASTM D6164	08/26/14
	S43400.08.14-7-R1	ASTM D6164	11/20/14
	S43400.09.14-9	ASTM D6164	09/02/14
	S43400.09.14-10	ASTM D6298	09/08/14
	S45010.02.14	ASTM D6506	02/07/14
	S43400.08.14-4-R1	ASTM D6163	10/24/14
	S44110.09.14-3	ASTM D6163	09/08/14
	S44110.09.14-7C	ASTM D6164	09/02/14
	S44220.09.14-1	ASTM D6162	09/08/14
	S44220.09.14-7A	ASTM D4601	09/08/14
	S11440.11.10-3-R2	ASTM D4601/TAS 117(B)	08/26/14
	S43210.11.14	ASTM D1876	11/20/14
	S35860.05.12-3	ASTM D6164	05/08/12
	S35860.09.12-R2	ASTM D6163	12/12/14
	M45560.10.13-1-R2	ASTM D4897/TAS 117	12/11/14
	S39970.07.12-2	ASTM D6164	07/12/12
	S39970.07.12-R1	ASTM D6162	12/12/14
PRI Construction Materials Technologies, LLC	SOP-049-02-01	ASTM D1644/D2196	05/31/12
	SOP-043-02-01	ASTM D4601	02/27/12
	SOP-042-02-01	ASTM D4601	02/27/12
	SOP-041-02-01	ASTM D2178	02/27/12
	SOP-040-02-01	ASTM D2178	02/27/12
	SOP-010-02-01.03	TAS-138	07/26/11
	SOP-012-02-01	TAS 114-J	08/29/11
	SOP-012-02-02	TAS 114-J	05/08/12
	SOP-050-02-01	ASTM D3019	07/12/12
	SOP-056-02-01	Physical Properties	09/12/12
Certified Testing Laboratories	CTLA 101R	TAS 114-J	09/23/08
	CTLA 101R-A	TAS 114-J	09/23/08

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(1): One or more layers of insulation adhered with approved asphalt.

All General and System Limitations apply.
One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ACFoam-III, ENRGY 3, H-Shield Minimum 1.4" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Fesco Board Minimum ¾" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of insulation. All insulation shall be adhered to the primed deck in full moppings of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

Base Sheet: None

Ply Sheet: One or more layers of Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF) 3.5, torch-applied (not allowed on perlite insulations or wood fiberboard coverboards)

Or

One or more layers of Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply 2.2 (FS)*, Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4 or one or more plies of Type IV or Type VI ply sheets, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

*Requires torch-applied cap membrane.

Membrane: Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

Or

Premium Cap Sheet, Solarflect, Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -420 psf. (See General Limitation #9.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(2): One or more layers of insulation adhered with approved adhesive

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, H-Shield, ENRGY 3 Minimum 1.5" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**
Pika Ply Recover Board Minimum 1/8" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck with full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft^2 or 0.75" wide beads of Insta-Stik, OlyBond 500, TITESET Roofing Adhesive, 3M Polyurethane Foam Insulation Adhesive CR-20, Millennium One Step Foamable Adhesive, Millennium One Step Green Foamable Adhesive, Millennium PG-1 Low Viscosity Insulation Adhesive, spaced maximum 12" o.c. or Permastic applied at a rate of 1.5 gal./sq. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: One layer of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

*Requires torch-applied ply membrane.

Ply Sheet: (Optional) One or two layers of Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, torch-applied.

Or

Ply Sheet: (Optional) (Cont.) Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, or one to three plies of ASTM D2178 Type IV or VI ply sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq to sand surfaced base membrane

*Requires torch-applied cap membrane.

Membrane: Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

Or

Premium Cap Sheet, Solarflect, Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate

	of 20-40 lbs./sq. to sand surfaced base or ply membrane
Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system
Maximum Design Pressure:	-105 psf (See General Limitation #9)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(3): One or more layers of insulation adhered with approved adhesive

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ISO 95+GL, H-Shield Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck with full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft^2 or 0.75" wide beads of Insta-Stik, Millennium One Step Foamable Adhesive, Millennium One Step Green Foamable Adhesive, Millennium PG-1 Low Viscosity Insulation Adhesive spaced maximum 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: One layer of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

*Requires torch-applied ply membrane.

Ply Sheet: (Optional) One or two layers of Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, torch-applied.

Or

Ply Sheet: (Optional) (Cont.) Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. to sand surfaced base membrane

*Requires torch-applied cap membrane.

Membrane: Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

Or

Premium Cap Sheet, Solarflect, Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. to sand surfaced base or ply membrane.

Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system
Maximum Design Pressure:	-105 psf (See General Limitation #9)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(4): One or more layers of insulation adhered with approved adhesive or asphalt.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ACFoam-III, ENRGY 3, H-Shield Minimum 1.5" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Minimum ¼" thick	**N/A**	**N/A**
Approved High Density Wood Fiberboard Minimum ½" thick	**N/A**	**N/A**
Pika Ply Recover Board Minimum 1/8" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of insulation. All insulation shall be adhered to the primed deck in full moppings of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft^2 or Millennium One Step Foamable Adhesive, Millennium One Step Green Foamable Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive applied in continuous ¾" to 1" wide ribbons at a maximum spacing of 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

Base Sheet: None

Ply Sheet: One or more layers of Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF) 3.5, torch-applied (not permitted as first layer on wood fiber).

Or

One or more layers of Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply 2.2 (FS)*, Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4 or one or more plies of Type IV or Type VI ply sheets adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
*Requires torch-applied cap membrane.

Membrane:	Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied. Or Premium Cap Sheet, Solarflect, Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. to sand surfaced ply membrane.
Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-105 psf. (using High Density Wood Fiberboard) (See General Limitation #9.) -127.5 psf. (using DensDeck or Pika Ply Recover Board) (See General Limitation #9.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(5): One or more layers of insulation adhered with approved adhesive.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
ACFoam-II, ACFoam-III, ENRGY 3, H-Shield Minimum 1.4" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
DensDeck Minimum ¼" thick	**N/A**	**N/A**
Approved High Density Wood Fiberboard Minimum ½" thick	**N/A**	**N/A**
Pika Ply Recover Board Minimum 1/8" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck with Millennium One Step Foamable Adhesive, Millennium One Step Green Foamable Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive applied in continuous ¾" wide ribbons at a maximum spacing of 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Ply Sheet: Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, torch-applied. (not permitted as first layer on wood fiberboard)

Or

Vented Base G (TG), Vented Base P (TG), torch-applied (not permitted if base membrane is used) (not permitted as first layer on wood fiberboard)

Membrane: Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -105 psf. (using High Density Wood Fiberboard) (See General Limitation #9.)
-127.5 psf. (using DensDeck or Pika Ply Recover Board) (See General Limitation #9.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(6): One or more layers of insulation adhered with approved adhesive or asphalt.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ACFoam-III, ENRGY 3, H-Shield		
Minimum 1.5" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck		
Minimum ¼" thick	**N/A**	**N/A**
Approved High Density Wood Fiberboard (requires two coat application of OlyBond)		
Minimum ½" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of insulation. All insulation shall be adhered to the primed deck in full moppings of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft^2 or OlyBond Insulation Adhesive applied at a rate of 1 gal./100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

Base Sheet: None

Ply Sheet: One or more layers of Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF) 3.5, torch-applied (not permitted as first layer on wood fiberboard).

Or

One or more layers of Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply 2.2 (FS)*, Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4 or one or more plies of Type IV or Type VI ply sheets adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

*Requires torch-applied cap membrane.

Membrane: Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

Or

Premium Cap Sheet, Solarflect, Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. to sand surfaced ply membrane.

Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-105 psf. (using High Density Wood Fiberboard) (See General Limitation #9.) -232.5 psf. (using DensDeck) (See General Limitation #9.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(7): One or more layers of insulation adhered with approved asphalt.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ENRGY 3, H-Shield Minimum 1.4" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Minimum ¼" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of insulation. All insulation shall be adhered to the primed deck in full moppings of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft^2 or Millennium One Step Foamable Adhesive, Millennium One Step Green Foamable Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive applied in continuous ¾" to 1" wide ribbons at a maximum spacing of 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

Base Sheet: One layer of Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply 2.2 (FS)*, Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4 adhered in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

*Requires torch-applied cap membrane.

Membrane: Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

(Maximum Design Pressure –120 psf, See General Limitation #9.)

Or

Membrane: (Cont.) Premium Cap Sheet, Solarflect, Performance Ply MS FR, Pika Ply MS-4, adhered in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. to sand surfaced base membrane.

(Maximum Design Pressure –112.5 psf, See General Limitation #9.)

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: See Membrane Options Above.

Membrane Type:	SBS
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	2500 psi structural concrete or concrete plank
System Type A(8):	One or more layers of insulation adhered with approved adhesive
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids and protrusions, and clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.
Primer:	Substrate primed with approved ASTM D41 primer
Vapor Barrier (Optional):	One layer of Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, Secure Ply, torch-applied. Or One layer of Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Any approved EPS Minimum 1.5" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Pika Ply Recover Board Minimum 1/4" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of vapor barrier or insulation. All insulation shall be adhered to the vapor barrier or primed deck in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./10ft^2 or Millennium One Step Foamable Adhesive, Millennium One Step Green Foamable Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive in ¾" ribbons spaced 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

Base Sheet:	One layer of Vented Base G (TG), Vented Base P (TG), Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, torch-applied. Or Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq. *Requires torch-applied ply or cap membrane.

Ply Sheet: (Optional)	One or more layers of Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, torch-applied. Or Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced base membrane. *Requires torch-applied cap membrane.
Membrane:	Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied. Or Premium Cap Sheet, Solarflect, Performance Ply MS FR, Pika Ply MS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced base or ply membrane.
Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-152.5 psf. (See General Limitation #9.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(9): One or more layers of insulation adhered with approved adhesive

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
Insulfoam EPS, Type IX Minimum 1.5" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
Pika Ply Recover Board Minimum 1/8" thick	**N/A**	**N/A**
SECUROCK Gypsum-Fiber Roof Board Minimum 1/4" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck with Millennium One Step Foamable Adhesive, Millennium One Step Green Foamable Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive applied in continuous ½" – ¾" wide ribbons at a maximum spacing of 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: One layer of Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, Vented Base G (TG), Vented Base P (TG), torch-applied.

Or

One layer of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq.
*Requires torch-applied ply or cap membrane.

Ply Sheet: (Optional) Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, torch-applied.

Or

Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq.
*Requires torch-applied cap membrane.

Membrane: Pika Ply MS-4G (TG), Solarflect (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

Or

Premium Cap Sheet, Solarflect, Performance Ply MS FR, Pika Ply MS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced ply membrane.

Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-152.5 psf. (See General Limitation #9.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(10): One or more layers of insulation adhered with approved adhesive

All General and System Limitations apply.

Vapor Barrier: One or two plies of Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torched applied to ASTM D 41 primed concrete deck.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ACFoam-III, H-Shield, ENRGY 3, ISO 95+ GL, Multi-Max FA-3 (flat or tapered) Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board, DensDeck, DensDeck Prime Minimum 0.25" thick	**N/A**	**N/A**

Note: All insulation shall be adhered in Millennium One Step Foamable Adhesive, Millennium One Step Green Foamable Adhesive, Millennium PG-1 Low Viscosity Insulation Adhesive or OlyBond 500 applied in ½" to ¾" wide ribbons spaced 3" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: Pika Ply SS-3G (TG), Pika Ply Base (TG), Pika Ply 180 (SF), Pika Ply SS-3P (TG), Pika Ply 180 (SF) 3.5, Pika Ply 250 S (TG), torch-applied.

Ply Sheet (Optional): Pika Ply SS-3G (TG), Pika Ply Base (TG), Pika Ply 180 (SF), Pika Ply SS-3P (TG), Pika Ply 180 (SF) 3.5, Pika Ply 250 S (TG), torch-applied.

Membrane: Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torched-applied.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -187.5 psf. (See General Limitation #9.)

Membrane Type:	SBS
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	2500 psi structural concrete or concrete plank
System Type A(11)	One or more layers of insulation adhered with approved adhesive.

All General and System Limitations apply.

Primer: Substrate primed with approved ASTM D41 primer.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
ACFoam-II, ENRGY 3, H-Shield, Multi-Max FA-3 Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
DensDeck Minimum 0.25" thick	**N/A**	**N/A**

Note: All insulations shall be adhered with hot asphalt at 25 lbs./sq. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet:	Pika Ply Base (TG)*, Pika Ply SS-3G (TG)*, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied. *Requires torch-applied Ply or Cap.
Ply Sheet: (Optional)	Pika Ply SS-3G, Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 2.2 (FS)*, applied in hot asphalt at 25 lbs./sq. or Pika Ply Base (TG)*, Pika Ply SS-3G (TG)*, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied. *Requires torch-applied Cap.
Membrane:	Solarflect, Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, applied in hot asphalt at 25 lbs./sq. or Solarflect (TG), Pika Ply MS-4G (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.
Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-187.5 psf. (See General Limitation #9.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(12): One or more layers of insulation adhered with approved adhesive.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, EnergyGuard Polyiso Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA-3		
Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck		
Minimum 0.25" thick	**N/A**	**N/A**

Note: All insulations shall be adhered withMillennium One Step Foamable Adhesive, Millennium One Step Green Foamable Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive applied in continuous ribbons maximum spacing of 12" o.c. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: Pika Ply Base (TG)*, Pika Ply SS-3G (TG)*, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied.

*Requires torch-applied Ply or Cap.

Ply Sheet: (Optional) Pika Ply SS-3G, Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 2.2 (FS)*, applied in hot asphalt at 25 lbs./sq.

or

Pika Ply Base (TG)*, Pika Ply SS-3G (TG)*, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied.

*Requires torch-applied Cap.

Membrane: Solarflect, Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, applied in hot asphalt at 25 lbs./sq.

or

Solarflect (TG), Pika Ply MS-4G (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -187.5 psf. (See General Limitation #9.)

Membrane Type: SBS

Deck Type 3I: Concrete, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(13): One or more layers of insulation adhered with approved adhesive or asphalt.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Approved EPS Minimum 1.5" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Prime Minimum ½" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the primed deck in full moppings of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft^2 or Millennium One Step Foamable Adhesive, Millennium One Step Green Foamable Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive applied in continuous ¾" to 1" wide ribbons at a maximum spacing of 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

Base / Ply Sheet: One layer of Pika Ply SS-3G (TG), Pika Ply Base (TG), Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, Pika Ply SS-3P (TG), Pika Ply 250 S (TG), torch-applied.

Membrane: Pika Ply MS-4G (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Solarflect (TG), Pika Ply Aluminum, torch-applied with minimum 3" wide lap.

Or

Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, Solarflect adhered in hot asphalt at 25 lbs./sq.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -195 psf. (See General Limitation #9.)

Membrane Type:	SBS
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	Min. 2500 psi structural concrete or concrete plank
System Type A(14):	One or more layers of insulation adhered with approved adhesive

All General and System Limitations apply.

Primer:	Substrate primed with approved ASTM D41 primer.
Dry In Sheet:	One layer of Pika Ply SS-3P, Pika Ply SS-4, adhered in hot asphalt at 20-25 lbs./sq.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, H-Shield Minimum 1.5" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Pika Ply Recover Board Minimum 1/8" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of dry in sheet. All insulation shall be adhered to the dry in sheet in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft2. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

Base Sheet: (Optional)	One or more layers of Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq. adhered in hot asphalt at 25 lbs./sq.
Ply Sheet: (Optional)	**(Required if no Base Sheet used)** One or more layers Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq.
Membrane:	Premium Cap Sheet, Solarflect, Performance Ply MS FR, Pika Ply MS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced base or ply membrane.
Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system
Maximum Design Pressure:	-210 psf. (See General Limitation #9.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(15): One or more layers of insulation adhered with approved adhesive

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ISO 95+GL, H-Shield Minimum 2" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck with full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft^2 or 0.75" wide beads of Pliodeck Insulation Adhesive, Insta-Stik, Millennium One Step Foamable Adhesive, Millennium One Step Green Foamable Adhesive, Millennium PG-1 Low Viscosity Insulation Adhesive spaced maximum 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: One or more layers of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq.

*Requires torch-applied ply or cap membrane.

Ply Sheet: (Optional) One or more layers of Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, torch-applied.

Or

Pika Ply SS-3G, Pika Ply 180 (SF), Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced base membrane.
*Requires torch-applied cap membrane.

Membrane: Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

Or

Premium Cap Sheet, Solarflect, Performance Ply MS FR, Pika Ply MS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced base or ply membrane.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating

system

Maximum Design Pressure: -217.5 psf. (for insulation adhered with Pliodeck Insulation Adhesive)
(See General Limitation #9)
-225 psf. (for insulation adhered with all other adhesives)
(See General Limitation #9)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(16): One or more layers of insulation adhered with approved adhesive

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, H-Shield, ENRGY 3 Minimum 2" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck with full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft^2 or 0.75" wide beads of Insta-Stik, OlyBond 500, TITESET Roofing Adhesive or 3M Polyurethane Foam Insulation Adhesive CR-20, Millennium One Step Foamable Adhesive, Millennium One Step Green Foamable Adhesive, Millennium PG-1 Low Viscosity Insulation Adhesive, spaced maximum 12" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: One or more layers of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq.

*Requires torch-applied ply or cap membrane.

Ply Sheet: (Optional) One or more layers of Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, torch-applied.

Or

Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced base membrane.
*Requires torch-applied cap membrane.

Membrane: Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

Or

Premium Cap Sheet, Solarflect, Performance Ply MS FR, Pika Ply MS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced base or ply membrane.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.

	Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system
Maximum Design Pressure:	-225 psf (See General Limitation #9)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(17): One or more layers of insulation adhered with approved adhesive

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ACFoam-III, H-Shield, ENRGY 3, ISO 95+ GL, Multi-Max FA-3 (flat or tapered)		
Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Pika Ply Recover Board		
Minimum 1/8" thick	**N/A**	**N/A**

Note: All insulation shall be adhered in with hot asphalt at 25 lbs./sq. or in Millennium One Step Foamable Adhesive, Millennium One Step Green Foamable Adhesive, Millennium PG-1 Low Viscosity Insulation Adhesive or OlyBond 500 applied in ½" to ¾" wide ribbons spaced 3" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: Vented Base G (TG), Vented Base P (TG), Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Pika Ply 250 S (TG)*, torch-applied.

Or

Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4 adhered in hot asphalt at 25 lbs./sq.
*Requires torch-applied ply or cap membrane.

Ply Sheet (Optional): Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Pika Ply 250 S (TG)*, torch-applied.

Or

Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4 adhered in hot asphalt at 25 lbs./sq.
*Requires torch-applied ply or cap membrane.

Membrane: Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torched-applied.

Or

Premium Cap Sheet, Solarflect, Performance Ply MS FR, Pika Ply MS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced base or ply membrane.

Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-232.5 psf. (See General Limitation #9.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(18): One or more layers of insulation adhered with approved adhesive.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
ACFoam-II, ENRGY 3, Multi-Max FA-3, H-Shield Minimum 2" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: All insulations shall be adhered with hot asphalt at 25 lbs./sq. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: Pika Ply Base (TG)*, Pika Ply SS-3G (TG)*, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied.

*Requires torch-applied Ply or Cap.

Ply Sheet: (Optional) Pika Ply SS-3G, Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 2.2 (FS)*, applied in hot asphalt at 25 lbs./sq.

or

Pika Ply Base (TG)*, Pika Ply SS-3G (TG)*, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied.

*Requires torch-applied Cap.

Membrane: Solarflect, Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, applied in hot asphalt at 25 lbs./sq.

or

Solarflect (TG), Pika Ply MS-4G (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -225 psf. (See General Limitation #9.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(19): One or more layers of insulation adhered with approved adhesive.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ACFoam-III, ENRGY 3, H-Shield Minimum 1.4" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Pika Ply Recover Board Minimum 1/8" thick	**N/A**	**N/A**

Note: All insulation shall be adhered to the deck with OlyBond Adhesive Fastener at 1 gallon/square. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: (Optional) One layer of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

*Requires torch-applied ply membrane.

Ply Sheet: One or two layers of Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, torch-applied.

Or

Ply Sheet: (Continued) Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, or one to three plies of Sopra IV or Sopra VI ply sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq

*Requires torch-applied cap membrane.

Membrane: Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

Or

Premium Cap Sheet, Solarflect, Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq to sand surfaced ply membrane.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure:	-255 psf. (using ENRGY 3, H-Shield) (See General Limitation #9.) -270 psf. (using ACFoam-II, ACFoam-III) (See General Limitation #9.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(20): One or more layers of insulation adhered with approved adhesive.

All General and System Limitations apply.

Primer: Substrate primed with approved ASTM D41 primer.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ENRGY 3, H-Shield, Multi-Max FA-3 Minimum 1.5" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Pika Ply Recover Board Minimum 0.125" thick	**N/A**	**N/A**

Note: All insulations shall be adhered with hot asphalt at 25 lbs./sq. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: Pika Ply SS-3G, Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 2.2 (FS)*, applied in hot asphalt at 25 lbs./sq.

*Requires torch-applied Ply or Cap.

Ply Sheet: (Optional) Pika Ply SS-3G, Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 2.2 (FS)*, applied in hot asphalt at 25 lbs./sq.

or

Pika Ply Base (TG)*, Pika Ply SS-3G (TG)*, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied.

*Requires torch-applied Cap.

Membrane: Solarflect, Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, applied in hot asphalt at 25 lbs./sq.

Or

Solarflect (TG), Pika Ply MS-4G (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -365 psf. (See General Limitation #9.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type A(21): One or more layers of insulation adhered with approved adhesive

All General and System Limitations apply.

Vapor Barrier: One or two plies of Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torched applied to ASTM D 41 primed concrete deck.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, H-Shield, ENRGY 3, Multi-Max FA-3 (flat or tapered) Minimum 2" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: All insulation shall be adhered in Millennium One Step Foamable Adhesive, Millennium One Step Green Foamable Adhesive, Millennium PG-1 Low Viscosity Insulation Adhesive or OlyBond 500 applied in ½" to ¾" wide ribbons spaced 3" o.c. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: Pika Ply SS-3G (TG), Pika Ply Base (TG), Pika Ply 180 (SF), Pika Ply SS-3P (TG), Pika Ply 180 (SF) 3.5, Pika Ply 250 S (TG), torch-applied.

Ply Sheet (Optional): Pika Ply SS-3G (TG), Pika Ply Base (TG), Pika Ply 180 (SF), Pika Ply SS-3P (TG), Pika Ply 180 (SF) 3.5, Pika Ply 250 S (TG), torch-applied.

Membrane: Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, Sopralene Flam Antirock, torched-applied.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -375 psf. (See General Limitation #9.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(22): One or more layers of insulation adhered with approved adhesive.

All General and System Limitations apply.

Primer: Substrate primed with approved ASTM D41 primer.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ENRGY 3, H-Shield, Multi-Max FA-3 Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: All insulations shall be adhered with hot asphalt at 25 lbs./sq. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: Pika Ply Base (TG)*, Pika Ply SS-3G (TG)*, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied.

*Requires torch-applied Ply or Cap.

Ply Sheet: (Optional) Pika Ply SS-3G, Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 2.2 (FS)*, applied in hot asphalt at 25 lbs./sq.

or

Pika Ply Base (TG)*, Pika Ply SS-3G (TG)*, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied.

*Requires torch-applied Cap.

Membrane: Solarflect, Performance Ply MS FR, Pika Ply MS-4, applied in hot asphalt at 25 lbs./sq.

or

Solarflect (TG), Pika Ply MS-4G (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -375 psf. (See General Limitation #9.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(23): One or more layers of insulation adhered with approved adhesive.

All General and System Limitations apply.

Primer: Substrate primed with approved ASTM D41 primer.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ENRGY 3, H-Shield, Multi-Max FA-3 Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**

Note: All insulations shall be adhered with hot asphalt at 25 lbs./sq. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: Pika Ply SS-3G, Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 2.2 (FS)*, applied in hot asphalt at 25 lbs./sq.

*Requires torch-applied Ply or Cap.

Ply Sheet: (Optional) Pika Ply SS-3G, Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 2.2 (FS)*, applied in hot asphalt at 25 lbs./sq.

or

Pika Ply Base (TG)*, Pika Ply SS-3G (TG)*, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied.

*Requires torch-applied Cap.

Membrane: Solarflect, Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, applied in hot asphalt at 25 lbs./sq.

or

Solarflect (TG), Pika Ply MS-4G (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -397.5 psf. (See General Limitation #9.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type A(24): One or more layers of insulation adhered with approved adhesive.

All General and System Limitations apply.

Primer: Substrate primed with approved ASTM D41 primer.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ENRGY 3, H-Shield, Multi-Max FA-3 Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Minimum 0.25" thick	**N/A**	**N/A**

Note: All insulations shall be adhered with hot asphalt at 25 lbs./sq. Refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Base Sheet: Pika Ply SS-3G, Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 2.2 (FS)*, applied in hot asphalt at 25 lbs./sq.

*Requires torch-applied Ply or Cap.

Ply Sheet: (Optional) Pika Ply SS-3G, Pika Ply SS-3P, Pika Ply SS-4, Pika Ply 2.2 (FS)*, applied in hot asphalt at 25 lbs./sq.

or

Pika Ply Base (TG)*, Pika Ply SS-3G (TG)*, Pika Ply SS-3P (TG)*, Pika Ply 250 S (TG)*, Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied.

*Requires torch-applied Cap.

Membrane: Solarflect, Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, applied in hot asphalt at 25 lbs./sq.

or

Solarflect (TG), Pika Ply MS-4G (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -452.5 psf. (See General Limitation #9.)

Membrane Type:	SBS
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	2500 psi structural concrete or concrete plank
System Type A(25):	One or more layers of insulation adhered with approved adhesive
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids and protrusions, and clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.

All General and System Limitations apply.

Primer:	Substrate primed with approved ASTM D41 primer
Vapor Barrier (Optional):	One layer of Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, Vented Base G (TG), Vented Base P (TG), torch-applied. Or One layer of Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq.
Leveling Agent (Optional):	Poly Patch

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ACFoam-III, H-Shield or any approved polyisocyanurate listed in Table 2		
Minimum 2" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Pika Ply Recover Board		
Minimum 1/8" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of vapor barrier or insulation. All insulation shall be adhered to the vapor barrier or primed deck in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

Base Sheet:	One layer of Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, Vented Base G (TG), Vented Base P (TG), torch-applied. Or Pika Ply SS-3G, Pika Ply 2.2 (FS)* Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, or one to five plies of Type IV or Type VI ply sheet adhered in hot asphalt at 25 lbs./sq. *Requires torch-applied ply or cap membrane.

Ply Sheet: (Optional)	One or more layers of Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, torch-applied. Or Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced base membrane. *Requires torch-applied cap membrane.
Membrane:	Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied. Or Premium Cap Sheet, Solarflect, Performance Ply MS FR, Pika Ply MS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced base or ply membrane.
Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-502.5 psf. (See General Limitation #9.)

Membrane Type:	SBS
Deck Type 3I:	Concrete Decks, Insulated
Deck Description:	2500 psi structural concrete or concrete plank
System Type A(26):	One or more layers of insulation adhered with approved adhesive
Substrate Preparation:	All surfaces must be dry, smooth, free of depressions, voids and protrusions, and clean and free of any non-compatible curing compounds, foam release agents and other surface contaminants.

All General and System Limitations apply.

Primer:	Substrate primed with approved ASTM D41 primer.
Vapor Barrier (Optional):	One layer of Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, Vented Base G (TG), Vented Base P (TG), torch-applied. Or One layer of Pika Ply SS-3G, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq.
Leveling Agent (Optional):	Vinyl Patch

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ACFoam-III, H-Shield, or any approved polyisocyanurate listed in Table 2		
Minimum 2" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Pika Ply Recover Board		
Minimum 1/8" thick	**N/A**	**N/A**

Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of vapor barrier or insulation. All insulation shall be adhered to the vapor barrier or primed deck in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft^2. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulations listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down.

Base Sheet:	One layer of Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, Vented Base G (TG), Vented Base P (TG), torch-applied. Or
Base Sheet: (Cont.)	Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, or one to five plies of Type IV or Type VI ply sheet adhered in hot asphalt at 25 lbs./sq. *Requires torch-applied ply or cap membrane.

Ply Sheet: (Optional)	One or more layers of Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, torch-applied. Or Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced base membrane. *Requires torch-applied cap membrane
Membrane:	Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied. Or Premium Cap Sheet, Solarflect, Performance Ply MS FR, Pika Ply MS-4, adhered in hot asphalt at 25 lbs./sq. to sand surface base or ply membrane.
Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-525 psf. (See General Limitation #9.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi structural concrete or concrete plank

System Type C: All layers of insulation simultaneously attached.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
ACFoam-II, H-Shield, ISO 95+ GL, ENRGY 3 Minimum 2" thick	**N/A**	**N/A**

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
SECUROCK Gypsum-Fiber Roof Board Minimum ½" thick	**7**	**1:1.78 ft²**

Note: All layers of insulation shall be mechanically attached using the fastener density listed above. The insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: One or more layers of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in a full mopping of approved asphalt, applied within the EVT range and at a rate of 20-40 lbs./sq.

Or

Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, Vented Base G (TG), Vented Base P (TG), torch-applied.

*Requires torch-applied ply or cap membrane.

Ply Sheet: (Optional) One or more layers of Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, torch-applied.

Or

Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in a full mopping of approved asphalt, applied within the EVT range and at a rate of 20-40 lbs./sq. to sand surfaced base membrane.

*Requires torch-applied cap membrane.

Membrane:	Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied. Or Premium Cap Sheet, Solarflect, Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. to sand surfaced base or ply membrane.
Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-60 psf. (See General Limitation #7.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type D(1): All layers of insulation and base sheet simultaneously attached.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
ACFoam-II, ACFoam-III, ENRGY 3, Multi-Max FA-3, H-Shield (flat or tapered)		
Minimum 1.5" thick	**N/A**	**N/A**
Top Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
Approved High Density Wood Fiberboard, Structodek High Density Fiberboard Roof Insulation		
Minimum ½" thick	**N/A**	**N/A**
Fesco Board		
Minimum ¾" thick	**N/A**	**N/A**
DensDeck, SECUROCK Gypsum-Fiber Roof Board		
Minimum ¼" thick	**N/A**	**N/A**
Pika Ply Recover Board		
Minimum 1/8" thick	**N/A**	**N/A**

Note: Top layer shall have preliminary attachment, prior to the installation of the base/anchor sheet, at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: One layer of Secure Ply, Secure Ply (S), Secure Ply X (TG), Secure Ply E (MF), Secure Ply (F), Pika Ply SS-3P (TG), Pika Ply 250 S (TG) fastened to the deck as described below:

*For use only when using 2 in. diameter plates.

Fastening: Attach base sheet using Dekfast 14 fasteners with Dekfast 2" Round Barbed Seam Plates or Dekfast Galvalume Steel Round 2-3/8" 20 ga. Barbed Plates or Trufast #15 EHD Fasteners with Trufast 2" Barbed Metal Seam Plates or Trufast 2.4" Scoop Seam Plates 12" o.c. in a 5" torch-applied lap.

Ply Sheet: (Optional) One or more layers of Pika Ply SS-3G (TG), Pika Ply Base (TG), Pika Ply SS-3P (TG), Pika Ply 250 S (TG), torch-applied.

Membrane: Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-60 psf. (See General Limitation #7.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi concrete or concrete plank

System Type D(2): All layers of insulation and base sheet simultaneously attached.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft^2
ACFoam-II, H-Shield (flat or tapered) Minimum 1.5" thick	**N/A**	**N/A**
DensDeck, SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	**N/A**	**N/A**
Pika Ply Recover Board Minimum 1/8" thick	**N/A**	**N/A**
Fesco Board, Approved Perlite Insulation Minimum 0.75" thick	**N/A**	**N/A**

Note: Insulation layer shall have preliminary attachment, prior to the installation of the base/anchor sheet, at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: One layer of Secure Ply, Secure Ply (S), Secure Ply (F), or Secure Ply E (MF) fastened to the deck as described below:

Fastening: Attach base sheet using Trufast Recessed Batten Bar with Trufast #14 HD Fastener Fasteners spaced 12" o.c. in the minimum 5" wide lap.

Ply Sheet: (Optional) One or more layers of Pika Ply SS-3G (TG), Pika Ply Base (TG), Pika Ply SS-3P (TG), Pika Ply 250 S (TG), torch-applied.

Membrane: Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -75 psf. (General Limitation #7)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi concrete or concrete plank

System Type D(3): All layers of insulation and base sheet simultaneously attached.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, H-Shield		
Minimum 1.5" thick	**N/A**	**N/A**
Top Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Approved High Density Wood Fiberboard, Structodek High Density Fiberboard Roof Insulation		
Minimum ½" thick	**N/A**	**N/A**
DensDeck		
Minimum ¼" thick	**N/A**	**N/A**

Note: Insulation layer shall have preliminary attachment, prior to the installation of the base sheet, at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft. All layers of insulation and base sheet shall be simultaneously fastened. See base sheet below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Base Sheet: None

Membrane: One ply of Permagard Capsheet membrane fastened through the insulation to the deck using Dekfast 15 HS Fasteners with Dekfast Isofast IF-2.375-AT Plates spaced 12" o.c. in a 5" wide lap. The side lap fastener row is encapsulated in the torch-applied lap.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications.
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -82.5 psf. (See General Limitation #7.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type D(4): Base Sheet mechanically attached over preliminarily secured insulation

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Any approved insulation board listed in Table 2 Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Any approved coverboard board listed in Table 2 Minimum 1/4" thick	**N/A**	**N/A**

Note: Insulation layer shall have preliminary attachment, prior to the installation of the base/anchor sheet, at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density.

Base Sheet: One layer of Secure Ply, Secure Ply (S), Secure Ply (F) or Secure Ply E (MF), mechanically attached with OMG Polymer Batten Strip and OMG #15 Roofgrip Large Head fasteners, Trufast Flat Batten Bar and Trufast #15 EHD Fastener, or SFS Dekfast Coiled Batten Strip and Dekfast 15 HS fasteners, spaced 12" o.c. in the min. 5" self-adhered lap

Ply Sheet: (Optional) One or more layers of Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, torch-applied.

*Requires torch-applied cap membrane.

Membrane: Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -97.5 psf. (See General Limitation #7.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type D(5): Base Sheet mechanically attached over preliminarily secured insulation

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Any approved insulation board listed in Table 2 Minimum 1.5" thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Any approved coverboard board listed in Table 2 Minimum 1/4" thick	**N/A**	**N/A**

Note: Insulation layer shall have preliminary attachment, prior to the installation of the base/anchor sheet, at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density.

Base Sheet: One layer of Secure Ply, Secure Ply (S), Secure Ply (F) or mechanically attached with OMG Polymer Batten Strip and OMG #15 Roofgrip Large Head fasteners, Trufast Flat Batten Bar and Trufast #15 EHD Fastener or SFS Dekfast Batten Bar and Dekfast 15 HS fasteners, spaced 12" o.c. in the min. 4" torch-applied lap.

Ply Sheet: (Optional) One or more layers of Pika Ply SS-3P (TG), Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG), Sopralene 250 SP, torch-applied.

Membrane: Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), , torch-applied.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -105 psf. (See General Limitation #7.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type D(6): Base Sheet mechanically attached over preliminarily secured insulation

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Any approved insulation board listed in Table 2 Minimum 1.5" thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
Any approved coverboard board listed in Table 2 Minimum 1/4" thick	**N/A**	**N/A**

Note: Insulation layer shall have preliminary attachment, prior to the installation of the base/anchor sheet, at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density.

Base Sheet: One layer of Secure Ply, Secure Ply (S), Secure Ply (F) mechanically attached with OMG Polymer Batten Strip and OMG #15 Roofgrip Large Head fasteners, Trufast Flat Batten Bar and Trufast #15 EHD Fastener or SFS Dekfast Coiled Batten Strip and Dekfast 15 HS, spaced 6" o.c. in every other minimum 4" torch-applied lap. Intermediate, non-fastened laps are 3" wide and torch-applied.

Ply Sheet: (Optional) One or more layers of Pika Ply SS-3P (TG) torch-applied.

Membrane: Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -120 psf. (See General Limitation #7.)

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi concrete or concrete plank

System Type D(7): All layers of insulation and base sheet simultaneously attached.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
ACFoam-II, ISO 95+ GL, H-Shield, ENRGY 3, Ultra-Max Minimum 1.5" thick	**N/A**	**N/A**

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
SECUROCK Gypsum-Fiber Roof Board, DensDeck, DensDeck Prime Minimum 0.5" thick	**1, 12, 13**	**1:4 ft²**

Note: Insulation layer shall have preliminary attachment, prior to the installation of the base/anchor sheet, at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Primer: (Optional) Coverboard is primed with an approved ASTM D41 asphalt primer at a rate of 100-150 ft^2/gal.

Base Sheet: One layer of Pika Ply SS-3P (TG), Pika Ply 250 S (TG), Secure Ply, Secure Ply (F), Secure Ply (S), Secure Ply X (TG), Secure Ply E (MF), fastened as specified below:

*For use only when using 2 in. diameter plates.

Fastening #1: Torch-applied base membrane to the coverboard with minimum 3" laps. Mechanically attach torch-applied base sheet with Dekfast 14 Dekfast 15 HS fasteners with Dekfast IF-2-SB or Dekfast Galvalume Steel Round 2-3/8" 20 ga. Barbed plates, Trufast #15 EHD Fasteners with Trufast 2" Barbed Metal Stress Plates or Trufast 2.4" Barbed Seam Plates, spaced maximum 12" o.c. through the side laps and two equally spaced staggered rows in the field of the membrane. ***(Maximum Design Pressures –165 psf. See General Limitation #7.)***

Fastening #2: Mechanically attach base sheet with Dekfast 14, Dekfast 15 HS fasteners with Dekfast IF-2-SB or Dekfast Galvalume Steel Round 2-3/8" 20 ga. Barbed plates, Trufast #15 EHD Fasteners with Trufast 2" Barbed Metal Stress Plates or Trufast 2.4" Barbed Seam Plates, spaced maximum 12" o.c. through the minimum 3" wide side lap and two equally spaced staggered rows in the field of the membrane. ***(Maximum Design Pressures –150 psf. See General Limitation #7.)***

Ply Sheet: Pika Ply SS-3G (TG), Pika Ply Base (TG), Pika Ply SS-3P (TG), Pika Ply 250 S (TG), torch-applied with minimum 3" laps.

Membrane:	Pika Ply MS-4G (TG), Pika Ply Aluminum, Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied with minimum 3" laps.
Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	See Fastening Options Above

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi concrete or concrete plank

System Type D(8): All layers of insulation and base sheet simultaneously attached.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
ACFoam-II, ISO 95+ GL, H-Shield, ENRGY 3, Ultra-Max Minimum 1.5" thick	**N/A**	**N/A**

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
SECUROCK Gypsum-Fiber Roof Board, DensDeck, DensDeck Prime Minimum 0.5" thick	**1, 12, 13**	**1:4 ft²**

Note: Insulation layer shall have preliminary attachment, prior to the installation of the base/anchor sheet, at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Primer: (Optional) Coverboard is primed with an approved ASTM D41 asphalt primer at a rate of 100-150 ft²/gal.

Base Sheet: One layer of Pika Ply 180 (SF) 3.5, fastened as specified below:

Fastening #1: Torch-applied base sheet to coverboard with minimum 3" wide side lap. Mechanically attach torch-applied base sheet with Dekfast 14 or Dekfast 15 HS fasteners with Dekfast IF-2-SB, Dekfast Galvalume Steel Round 2-3/8" 20 ga. Barbed plates, Trufast #15 EHD Fasteners with Trufast 2" Barbed Metal Stress Plates or Trufast 2.4" Barbed Seam Plates, spaced maximum 12" o.c. through the side laps and two equally spaced staggered rows in the field of the membrane. ***(Maximum Design Pressures –165 psf. See General Limitation #7.)***

Fastening #2: Mechanically attach base sheet with Dekfast 14 or Dekfast 15 HS fasteners with Dekfast IF-2-SB, Dekfast Galvalume Steel Round 2-3/8" 20 ga. Barbed plates, Trufast #15 EHD Fasteners with Trufast 2" Barbed Metal Stress Plates or Trufast 2.4" Barbed Seam Plates, spaced maximum 12" o.c. through the minimum 3" wide side lap and two equally spaced staggered rows in the field of the membrane.

(Maximum Design Pressures –150 psf. See General Limitation #7.)

Ply Sheet: Pika Ply 180 (FS), Pika Ply 2.2 (FS), adhered in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. with minimum 3" wide side lap.

Membrane:	Pika Ply MS-4G (TG), Pika Ply Aluminum, Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), torch-applied with minimum 3" wide side lap.
Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	See Fastening Options Above

Membrane Type: SBS

Deck Type 3I: Concrete Decks, Insulated

Deck Description: Min. 2500 psi concrete or concrete plank

System Type D(9): All layers of insulation and base sheet simultaneously attached.

All General and System Limitations apply.

One or more layers of any of the following insulations.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
ACFoam-II, ISO 95+ GL, H-Shield, ENRGY 3, Ultra-Max Minimum 1.5" thick	**N/A**	**N/A**

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density.

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft²**
SECUROCK Gypsum-Fiber Roof Board, DensDeck, DensDeck Prime Minimum 0.5" thick	**1, 12, 13**	**1:4 ft²**

Note: Insulation layer shall have preliminary attachment, prior to the installation of the base/anchor sheet, at a minimum application rate of two fasteners per board for insulation boards having no dimension greater than 4 ft., and four fasteners for any insulation board having no dimension greater than 8 ft. All layers of insulation and base sheet shall be simultaneously fastened. See base/anchor sheet below for fasteners and density. Refer to Roofing Application Standard RAS 117 for insulation attachment.

Primer: (Optional) Coverboard is primed with an approved ASTM D41 asphalt primer at a rate of 100-150 ft²/gal.

Base Sheet: One layer of Pika Ply 180 (SF) 3.5, Secure Ply (F)*, Secure Ply (S)*, Secure Ply X (TG)*, Secure Ply*, Secure Ply E (MF), fastened as specified below:

*Requires torch-applied cap membrane.

Fastening #1: Torch-applied base sheet to coverboard with minimum 3" wide side lap. Mechanically attach base sheet with Dekfast 14, Dekfast 15 HS fasteners with Dekfast IF-2-SB, Dekfast Galvalume Steel Round 2-3/8" 20 ga. Barbed plates, Trufast #15 EHD Fasteners with Trufast 2" Barbed Metal Stress Plates or Trufast 2.4" Barbed Seam Plates, spaced maximum 12" o.c. through the side laps and two equally spaced staggered rows in the field of the membrane.
(Maximum Design Pressures –165 psf. See General Limitation #7.)

Fastening #2: Mechanically attach base sheet with Dekfast 14, Dekfast 15 HS fasteners with Dekfast IF-2-SB, Dekfast Galvalume Steel Round 2-3/8" 20 ga. Barbed plates, Trufast #15 EHD Fasteners with Trufast 2" Barbed Metal Stress Plates or Trufast 2.4" Barbed Seam Plates, spaced maximum 12" o.c. through the minimum 3" wide side lap and two equally spaced staggered rows in the field of the membrane.
(Maximum Design Pressures –150 psf. See General Limitation #7.)

Ply Sheet:	Pika Ply 180 (SF), Pika Ply 180 (SF) 3.5, torch-applied with minimum 3” wide side lap. Or Pika Ply 180 (S), Pika Ply SS-3G, Pika Ply SS-3P, Pika Ply SS-4, adhered in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. with minimum 3” wide side lap.
Membrane:	Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4, Solarflect, adhered in full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. with minimum 3” wide side lap.
Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	See Fastening Options Above

Membrane Type: SBS

Deck Type 3: Concrete Decks, Non-insulated

Deck Description: 2500 psi structural concrete or concrete plank

System Type F(1): Base sheet torch-applied to primed deck.

All General and System Limitations apply.

Note: Concrete deck shall be primed with ASTM D 41 asphalt primer and allowed to dry prior to application of base sheet.

Base Sheet: One ply of Vented Base G (TG), Vented Base P (TG), torch-applied.

Ply Sheet: (Optional) One or more layers of Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, torch-applied.

Or

One or more layers of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. to sand surfaced base membrane.
*Requires torch-applied cap membrane.

Membrane: Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.

Or

Premium Cap Sheet, Solarflect, Performance Ply MS FR, Pika Ply MS-4, adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. to sand surfaced base or ply membrane.

Surfacing: Surfacing is Optional on granular surfaced field cap membranes.
Surfacing is Required for smooth or sanded surfaced field cap membranes.
Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications
Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.

Maximum Design Pressure: -187.5 psf. (See General Limitation #9.)

Membrane Type:	SBS
Deck Type 3:	Concrete Decks, Non-Insulated
Deck Description:	2500 psi structural concrete or concrete plank
System Type F(2):	Base sheet adhered to primed substrate.

All General and System Limitations apply.

Base Sheet: (Optional)	One layer of Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq. *Requires torch-applied ply or cap membrane.
Ply Sheet:	Pika Ply SS-3G, Pika Ply 2.2 (FS)*, Pika Ply 180 (S), Pika Ply 180 (FS)*, Pika Ply SS-3P, Pika Ply SS-4, adhered in hot asphalt at 25 lbs./sq. Or Pika Ply SS-3G (TG)*, Pika Ply Base (TG)*, Pika Ply 180 (SF), Pika Ply SS-3P (TG)*, Pika Ply 180 (SF) 3.5, Secure Ply, Pika Ply 250 S (TG)*, torch-applied. *Requires torch-applied cap membrane.
Membrane:	Premium Cap Sheet, Solarflect, Performance Ply MS FR, Pika Ply MS-4, adhered in hot asphalt at 25 lbs./sq. to sand surfaced ply membrane. Or Pika Ply MS-4G (TG), Solarflect (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.
Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications. Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-187.5 psf. (See General Limitation #9.)

Membrane Type:	SBS
Deck Type 3I:	Concrete Decks, Non-Insulated
Deck Description:	2500 psi structural concrete or concrete plank
System Type F(3):	Non-Insulated, Roof cover to concrete

All General and System Limitations apply.

Primer:	ASTM D41 or Elastocol 500 primer applied at a rate of 0.75 gal./sq.
Base Sheet:	Pika Ply Base (TG), Pika Ply SS-3G (TG), Pika Ply SS-3P (TG), Pika Ply 250 S (TG), torch-applied.
Ply Sheet: (Optional)	Pika Ply Base (TG), Pika Ply SS-3G (TG), Pika Ply SS-3P (TG) Pika Ply 250 S (TG), torch-applied.
Membrane:	Solarflect (TG), Pika Ply MS-4G (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG), Pika Ply Aluminum, torch-applied.
Surfacing:	Surfacing is Optional on granular surfaced field cap membranes. Surfacing is Required for smooth or sanded surfaced field cap membranes. Refer to Underwriters Laboratories or Intertek Testing Services listings for applicable fire classifications Apply any coating listed in Table 4 above, or any Miami-Dade approved coating system.
Maximum Design Pressure:	-367.5 psf. (See General Limitation #9.)

CONCRETE DECK SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117, calculations shall be signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq.
   Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE